

KalingaStone®

TERRAZZO, MARBLE & QUARTZ

“MY KITCHEN. MY PRIDE.”
Nothing but the ultimate protection will do!

INTRODUCING

99.9% Bacteria-Free Surfaces*

#FutureProofSurfaces



Powered by

MAXGUARD™
Bacteria Free Surfaces

Explore
Maxguard



*Clinically certified using ISO22196



✦ More Cleanliness

🕒 More Durability

🛡️ More Safety

Introducing KalingaStone MaxGuard

At KalingaStone, India's pioneering engineered surfaces brand, we've spent the last 15 years redefining marble, quartz, and terrazzo for luxury homes, hospitality projects, and high-end commercial spaces.

Today, we are pioneer in antibacterial and odor-control technology, to bring you MaxGuard™, the first innovation of its kind in this segment, delivering unmatched hygiene, durability, and elegance.

#FutureProofSurfaces

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Why Antibacterial Surfaces Matter?
Everyday, bacteria on countertops, floors, and walls can spread illness, trigger allergies, and compromise food safety. Traditional cleaning only addresses the surface—allowing microbes to quickly rebound. MaxGuard™ disrupts this cycle at its source, inhibiting up to 99.9% of bacterial growth around the clock and safeguarding everyone who touches it.

Application Areas

-  Hospital Flooring
-  Wall Cladding
-  Kitchen Counter Tops
-  Vanity Top
-  Lift Lobby Cladding
-  Clinics
-  Commercial Office Buildings
-  Metro & Railway Stations
-  Toilets





Embedded Antibacterial Protection

Unlike topical coatings that wear away, MaxGuard™ infuses protection directly into each slab during manufacturing. This molecular-level integration ensures continuous, 24/7 bacterial inhibition—right where growth begins. The result? Safer, cleaner environments that require less maintenance and deliver true peace of mind for years to come.

Why MaxGuard?

99.9% Bacteria-Resistant

Embedded Maxguard protection works 24/7 to inhibit bacterial growth.

Stain & Odor Resistance

Repels everyday spills and prevents lingering smells in high-traffic areas.

Lifetime Durability

Antibacterial properties are integrated into the core—never wash off or fade.

Food-Safe & Chemical-Proof

Certified for direct food contact and impervious to disinfectants and cleaners.



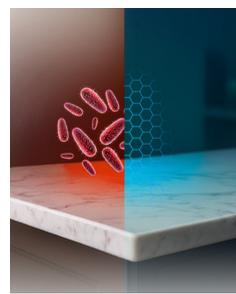
Maxguard Integration



How does Maxguard work?



Integrated for protection from within.
Maxguard isn't a surface treatment. It's built within, seamlessly integrated at the core for maximum safety.



Designed to defend!
This revolutionary technology targets microbes at the cellular level and stops growth before it starts.



Cleaner... for way longer!
Protected against microbial growth for its entire lifespan, keeping it fresher and cleaner between cleanings.



Maxguard technology is globally registered and approved for contact with food, making it safe for a variety of applications.

Clinically Tested using ISO22196

CERTIFICATIONS

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eurofins Spectro TEST REPORT

Format No: ES/F/02
Issue No: 03, Issue Date: 01-11-2022
Rev. No: 00, Rev. Date: _____

Report No. M251125010/M251125010-11

Test Report Issued To:
CLASSIC MARBLE COMPANY PVT. LTD. (SILVASSA)
UNIT-III, VILLAGE NAROLI, SURVEY NO-286, NEAR NAROLI CHECK POST, SILVASSA, SILVASSA, DADRA AND NAGAR HAVELI & DAMAN AND DIU - 395200, INDIA

Test Report No: M251125010/M251125010-11
Issue Date: 08-Dec-2022
Sample Booking/Receipt Date: 25-Nov-2022
Test Start Date: 01-Dec-2022
Test Completion Date: 08-Dec-2022

Customer Relationship Number: 51481

Sample Description:
QUARTZ (MAXGUARD WITH 0.1%), SAMPLE ID - 85-11-25

Customer Reference No: TRF 01_25/11/2022

Kind Attention: MR. YARADA THIRISH
E-Mail: thirish.yarada@kalingastone.com; purchase@kalingastone.com
Contact No: 6358054195

Sample Condition: Good
Sample Quantity (Approx): 6 - Nos

Testing Location: Permanent Facility
Sample Size (Approx): 50X50 - mm

SAMPLE NOT DRAWN BY OUR LABORATORY. THE RESULTS RELATE ONLY TO THE ITEMS TESTED

Report Issued By: YOGESH MALIK

Authenticity of report can be verified by mail at certification@eurofinsasia.com
This is a Digitally Signed Report and hence doesn't require Physical Signature.

Legal Entity: Spectro Analytical Labs Private Limited (Formerly Spectro Analytical Labs Limited), CIN: U74220DL1998PTC092698 (part of Eurofins Scientific SE)
S-1, GNEPIP, Surajpur Industrial Area, Phase-V, Kasna, Greater Noida-201308 (India)
+91-120-2341252, +91-11-40522000, +91-11-41611000 | www.spectro.in | care@spectro.in

ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Laboratory

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Format No: ES/F/02
Issue No: 03, Issue Date: 01-11-2022
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Report No. M251125010/M251125010-11

Discipline: - Biological
Group: - Miscellaneous

Name of Test: Evaluation of antimicrobial Activity
Name of Protocol: ISO: 22196:2011
Name of the product: QUARTZ (MAXGUARD WITH 0.1%)
Test Organisms used for evaluating antimicrobial activity:
1. *Staphylococcus aureus* ATCC-6538
2. *Escherichia coli* ATCC-8739
3. *Aspergillus Niger* ATCC-6275
4. *Trichoderma Virens* ATCC-9645

Test Conditions:
Neutralizer used: Buffered Saline with Tween 80-0.01%
Contact time: 24 hours at 35°C, 25°C
Incubation Temperature: 35±1°C, 25±1°C and 90%RH
Media & Reagent: Soyabean-casein digest agar, Potato Dextrose agar.

Preparation of Microbial Inoculum:
Challenge reference culture of *Staphylococcus aureus* - Strain (ATCC-6538), *Escherichia coli* strain (ATCC-8739), *Aspergillus Niger* strain (ATCC-6275) and *Trichoderma Virens* strain (ATCC-9645) were grown on Nutrient agar and Potato Dextrose agar continuously for 24 hours at 35±1°C For bacteria and 120 hours at 25±1°C for fungi. Take the heavy growth of reference cultures in 1/500 nutrient broth and Potato dextrose broth, mix well properly, take the OD at 600nm by Spectro photometer and calculate the number of cells per ml.

Preparation of the Test Specimen:
Treated specimen: Take the three pieces of treated specimen for each reference cultures, size of per piece of specimen.
Untreated specimen: Take the 6 numbers of untreated specimen for each reference cultures, size of per piece of specimen.

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Testing Procedure:
The untreated and treated samples take in triplicate were each placed into separate sterile petri dishes for both reference cultures separately and add 0.4 ml test inoculum (having the target cells 6.0x10⁸ per/ml) were placed on each Petridish and cover the treated and untreated specimen by 40x40mm cover film. Incubate the 3 Petridish of treated and 3 Petridis of untreated specimen at 35°C with 90% RH for 24 hours. The 3 untreated specimens from both reference cultures were tested for 0 hours by Add 10ml SCDLP broth, shake the Petri dishes and perform the total plate count, at 25°C for 120 hours and 35°C for 48 hours. After 24 hours pre-incubated treated and untreated specimen were tested for plate count by adding the 10ml SCDLP broth and again incubate at 25°C for 120 hours and 35°C for 48 hours. End of the incubation colony counts of *Staphylococcus aureus*, *Escherichia coli*, *Aspergillus Niger* and *Trichoderma Virens* colonies from triplicate treated and surfaces were averaged and compared to colony counts from tests of untreated control surfaces carried out in parallel.

Results:
ANTIBACTERIAL ACTIVITY
1. TEST BACTERIA: Staphylococcus aureus ATCC-6538
Quantitative Assessment of Activity -ISO: 22196:2011
B: WITHOUT AB: Conc. of inoculum on untreated sample at 0 hours (A): 2.71x10⁸ U₀ =5.43
B: WITHOUT AB: Conc. of inoculum on untreated sample After 24hours (B): 3.1x10⁸ U_t =5.49

Sample identification	No. Bacteria on treated sample after 24 h (C)	A _t	Antibacterial Activity (R) = (U ₀ -A _t)	Microbial kill (% Reduction)
A: WITH AB	20	2.32	3.17	99.93

2. TEST BACTERIA: Escherichia coli ATCC -8739
Quantitative Assessment of Activity - ISO: 22196:2011
B: WITHOUT AB: Conc. of inoculum on untreated sample at 0 hours (A): 2.3x10⁸ U₀ =5.28
B: WITHOUT AB: Conc. of inoculum on untreated sample After 24hours(B): 2.75x10⁸ U_t =5.42

Sample identification	No. Bacteria on treated sample after 24 h (C)	A _t	Antibacterial Activity (R) = (U ₀ -A _t)	Microbial kill (% Reduction)
A: WITH AB	22	2.21	3.21	99.94

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3. TEST FUNGI: Aspergillus Niger ATCC-6275
Quantitative Assessment of Activity - ISO: 22196:2011
B: WITHOUT AB: Conc. of inoculum on untreated sample at 0 hours (A): 2.4x10⁴ U₀ =5.28
B: WITHOUT AB: Conc. of inoculum on untreated sample After 24hours (B): 2.5x10⁵ U_t =5.40

Sample identification	No. fungi on treated sample after 24 h (C)	A _t	Antimicrobial Activity (R) = (U ₀ -A _t)	Microbial kill (% Reduction)
A: WITH AB	28	2.38	3.02	99.90

4. TEST FUNGI: Trichoderma Virens ATCC-9645
Quantitative Assessment of Activity - ISO: 22196:2011
B: WITHOUT AB: Conc. of inoculum on untreated sample at 0 hours (A): 2.12x10⁴ U₀ =5.22
B: WITHOUT AB: Conc. of inoculum on untreated sample After 24hours (B): 2.8x10⁵ U_t =5.45

Sample identification	No. fungi on treated sample after 24h (C)	A _t	Antimicrobial Activity (R) = (U ₀ -A _t)	Microbial kill (% Reduction)
A: WITH AB	36	2.33	3.12	99.92

Calculation of antibacterial activity
R=(U₀-A_t) - (A_t-U_t) =U₀-A_t

Where
R is the antibacterial activity
U₀ is the average of the common logarithm of the number of viable microorganisms, in cells/cm², recovered from the untreated test specimens immediately after incubation;
U_t is the average of the common logarithm of the number of viable microorganisms, in cells/cm², recovered from the untreated test specimens after 24h;
A_t is the average of the common logarithm of the number of viable microorganisms, in cells/cm², recovered from the treated test specimens after 24h;
The Standard Antimicrobial value of Evaluation R_{2.0}

Comment: The sample labeled Anti-bacterial property Passes the Quantitative Assessment of Activity for *Staphylococcus aureus*, *Escherichia coli*, *Aspergillus Niger* and *Trichoderma Virens* by ISO:22196 Test Method.

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Dadra & Nagar Haveli, India.

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